Editing and Positioning ID messages

Press **Shift**, then **ID On/Off** to enter the ID Menu. Use the ▲ and ▼ keys to scroll to the desired menu item. Some notes about IDs:

- You must press **ENTER** to save an ID after editing it through the "Edit ID #" menu item. Pressing a rectangular key will abort the edit, and changes will *not* be saved. Only saved ID messages can be inserted into TSG 601 output. To insert an ID, recall it through either the ID Menu or **Recall**. If necessary, toggle it on with **ID On/Off**.
- Use the "Position ID" selection of the ID Menu to reposition the current ID within the picture. You must press **ENTER** after moving a message to save its new position in memory; if you exit by pressing a rectangular key, the message will revert to its original position the next time it is recalled.

Special Settings

Change the following settings through the diagnostic menu. Enter the diagnostic menu when the instrument is on *or* off by holding **Lock Out** down when pressing the **On** button. Continue pressing **Lock Out** until the first menu item appears on the display, then use the ▲ and ▼ keys to scroll to the desired menu item.

Video Standard

Use the ◀ and ▶ keys to select between 525 (60 Hz) and 625 (50 Hz); press **ENTER** to confirm the choice.

Auto Power Down

Auto Power Down will switch the TSG 601 off after ten minutes without a key press. Use the ◀ and ▶ keys to select between disabled and enabled; press **ENTER** to confirm the choice.

Battery Type

Be sure this setting matches the type of battery installed in the TSG 601 to avoid incorrect "low battery" warnings and possible early shut down.

Use the ◀ and ▶ keys to select between disposable (alkaline) and rechargeable (NiCad); press **ENTER** to confirm the choice.

LCD Contrast

Use the ◀ and ▶ keys to select suitable contrast between 10 and 100%; press **ENTER** to confirm the choice.

To exit a menu, press any rectangular key

Selecting Test Signals

TSG 601 test signals may be selected with **Test Signal** or through "Direct Signal Selection."

To select from the list of available signals, press **Test Signal** repeatedly—or press that key once and then use the ▲ and ▼ keys to scroll through the list. A test signal will be output as soon as its name appears on the display.

When the instrument is in normal operating mode and no menu is active, you may also "Direct-Select" the desired signal by pressing the appropriate letter key. The available signals and corresponding keys are listed below.

Test Signal	Direct-Select Key
75% Color Bars	A
100% Color Bars	B
Pluge 1 (BBC 1)	C
Pluge 2 (BBC 2)	D
5-Step Staircase	E
Limit Ramp	F
Shallow Ramp	G
Modulated 5-Step	H
Modulated Pulse and Bar	I
60% Line Sweep with Markers	J
Bowtie	K
Convergence	L
Equalizer SDI Checkfield	M
PLL SDI Checkfield	N
Matrix SDI Checkfield	O
Active Picture Markers	P

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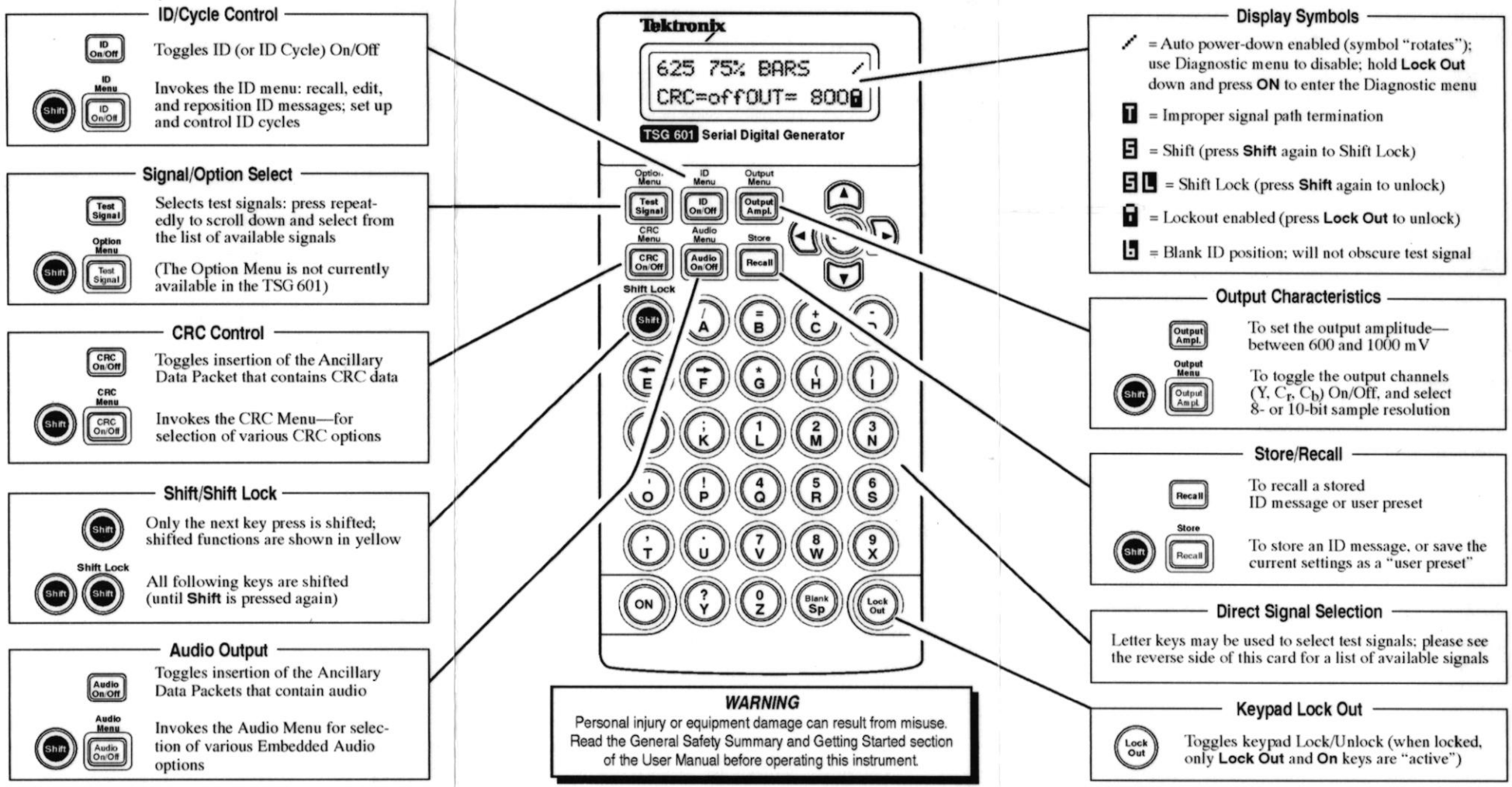
Instructions

Tektronix

TSG 601
Serial Digital Generator

070-8909-01


ID/Cycle Control
ID On/Off
Toggles ID (or ID Cycle) On/Off
Shift
ID Menu
ID On/Off
Invokes the ID menu: recall, edit, and reposition ID messages; set up and control ID cycles
Signal/Option Select
Test Signal
Selects test signals: press repeatedly to scroll down and select from the list of available signals
Shift
Option Menu
Test Signal
(The Option Menu is not currently available in the TSG 601)
CRC Control
CRC On/Off
Toggles insertion of the Ancillary Data Packet that contains CRC data
CRC Menu
Shift
CRC On/Off
Invokes the CRC Menu—for selection of various CRC options
Shift/Shift Lock
Shift
Only the next key press is shifted; shifted functions are shown in yellow
Shift Lock
Shift
Shift
All following keys are shifted (until Shift is pressed again)
Audio Output
Audio On/Off
Toggles insertion of the Ancillary Data Packets that contain audio
Audio Menu
Shift
Audio On/Off
Invokes the Audio Menu for selection of various Embedded Audio options
Tektronix
625 75% BARS
CRC=offOUT= 800
TSG 601 Serial Digital Generator
Option Menu
ID Menu
Output Menu
Test Signal
ID On/Off
Output Ampl.
CRC Menu
Audio Menu
Store
CRC On/Off
Audio On/Off
Recall
Shift Lock
Shift
ON
Blank Sp
Lock Out
WARNING
Personal injury or equipment damage can result from misuse. Read the General Safety Summary and Getting Started section of the User Manual before operating this instrument.
Display Symbols
= Auto power-down enabled (symbol "rotates"); use Diagnostic menu to disable; hold Lock Out down and press ON to enter the Diagnostic menu
= Improper signal path termination
= Shift (press Shift again to Shift Lock)
= Shift Lock (press Shift again to unlock)
= Lockout enabled (press Lock Out to unlock)
= Blank ID position; will not obscure test signal
Output Characteristics
Output Ampl.
To set the output amplitude—between 600 and 1000 mV
Shift
Output Menu
Output Ampl.
To toggle the output channels (Y, C_r, C_b) On/Off, and select 8- or 10-bit sample resolution
Store/Recall
Recall
To recall a stored ID message or user preset
Shift
Store
Recall
To store an ID message, or save the current settings as a "user preset"
Direct Signal Selection
Letter keys may be used to select test signals; please see the reverse side of this card for a list of available signals
Keypad Lock Out
Lock Out
Toggles keypad Lock/Unlock (when locked, only Lock Out and On keys are "active")